

OFFICIAL

~~UNOFFICIAL~~RECEIVED  
Page 1 of 1  
FAX CENTER  
JUN 28 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/708,506	03/09/2004	Michael A. McGraw	

40056  
MICHAEL A. MCGRAW  
2336 WHITE AVENUE  
KLAMATH FALLS, OR 97601

CONFIRMATION NO. 2505

FORMALITIES LETTER

\*OC000000012717660\*

Date Mailed: 05/20/2004

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

## Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given TWO MONTHS from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- A replacement abstract not exceeding 150 words in length and commencing on a separate sheet in compliance with 37 CFR 1.72(b) and 37 CFR 1.121 is required.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

*Y. G.*  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

RECEIVED  
JUN 28 P 3:47  
USPTO

- **Replacement Abstract**

**United States Patent*****Application Number: 10/708506*****McGraw / Southeastern Underwater  
Services****Mar. 09, 2004****Underwater vacuum and sterilization system****Abstract**

An underwater vacuum, cleaning, removal, and sterilization system that allows for the submersible cleaning and sterilization of interior surfaces of drinking water storage, treatment, and distribution facilities. The system allows for the cleaning and chemical sterilization of surfaces in an underwater environment while simultaneously removing the sterilization chemical to prevent the said sterilization chemical from impacting or increasing the optimum sterilization chemical concentration in the surrounding water. The system utilizes water suction in combination with contained variable pressure fluid jets. The system may utilize a rotatable brush inside the housing driven by a water turbine motor. The system is propelled by water jets or by power to the wheels by said water turbine motor. A variety of similar embodiments of various shapes and sizes are included for use on various surfaces utilizing the combination of water suction and contained variable pressure fluid jets.

## Underwater vacuum and sterilization system

### Abstract

An underwater vacuum, cleaning, removal, and sterilization system that allows for the submersible cleaning and sterilization of interior surfaces of drinking water storage, treatment, and distribution facilities. The system allows for the cleaning and chemical sterilization of surfaces in an underwater environment while simultaneously removing the sterilization chemical to prevent the said sterilization chemical from impacting or increasing the optimum sterilization chemical concentration in the surrounding water. The system utilizes water suction in combination with contained variable pressure fluid jets. The system may utilize a rotatable brush inside the housing driven by a water turbine motor. The system is propelled by water jets or by power to the wheels by said water turbine motor. A variety of similar embodiments of various shapes and sizes are included for use on various surfaces utilizing the combination of water suction and contained variable pressure fluid jets.